

DPX308U

DUAL DIN SIZED CD RECEIVER INSTRUCTION MANUAL

Kenwood Corporation

Before reading this manual, click the button below to check the latest edition and the modified pages.



Take the time to read through this instruction manual.

Familiarity with installation and operation procedures will help you obtain the best performance from your new Dual DIN sized CD receiver.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your Kenwood dealer for information or service on the product.

Model DPX308U Serial number _____

US Residence Only

Register Online

Register your Kenwood product at **www.Kenwoodusa.com**

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Before use

Before using this unit for the first time

This unit is initially set on the Demonstration mode. When using this unit for the first time, cancel the Demonstration mode. Refer to [<Canceling the Demonstration Mode>](#) (page 8).

⚠ WARNING

To prevent injury or fire, take the following precautions:

- Stop the car before operating the unit.
- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.

⚠ CAUTION

- Adjust the volume so that you can hear sounds outside the car. Driving with the volume too high may cause an accident.
- Wipe off the dirt on the panel with a dry silicon or soft cloth.
Failure to observe this precaution may result in damage to the monitor or unit.




Condensation

When the car is air-conditioned, moisture may collect on the laser lens. This may cause disc read errors. In this case, remove the disc and wait for the moisture to evaporate.

Notes

- If you experience problems during installation, consult your Kenwood dealer.
- When you purchase optional accessories, check with your Kenwood dealer to make sure that they work with your model and in your area.
- Characters that conform to ISO 8859-1 can be displayed.
- The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may be inapplicable.

About discs used with this unit

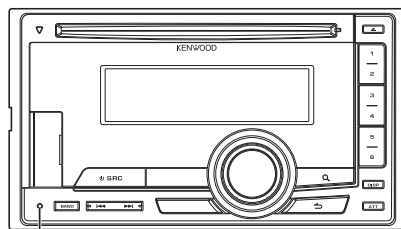
- This unit can only play the CDs with   
- The following discs cannot be used:
 - Discs that are not round
 - Discs with coloring on the recording surface or discs that are dirty
 - Recordable/Rewritable disc that has not been finalized (For the finalization process, refer to your disc writing software, and your disc recorder instruction manual.)
 - 8 cm (3 inch) disc (Attempt to insert using an adapter can cause malfunction.)

Handling discs

- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use any accessories for the disc.
- Do not use any solvents to clean discs. Use a dry silicon or soft cloth.
- Clean from the center of the disc and move outward.
- When removing discs from this unit, pull them out horizontally.
- Remove the rims from the center hole and disc edge before inserting a disc.

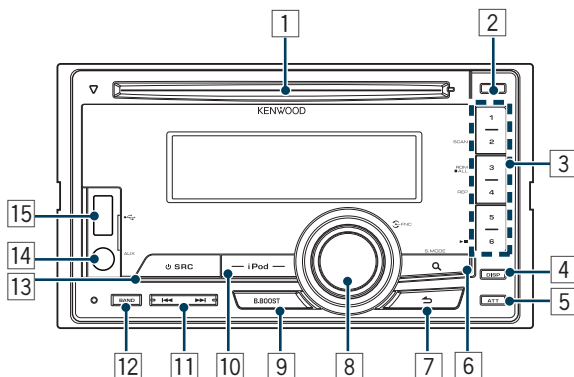
How to reset your unit

If the unit fails to operate properly, press the Reset button. The unit returns to factory settings when the Reset button is pressed.



Reset button

Component names and functions



1 Disc slot

When inserted a disc (label side up), the source is switched automatically and a song starts playing.

2 [▲] button

To eject the disc.

3 [1] – [6] button

To recall the memorized station.

Switches the play mode between music discs, Audio files, and iPod.

4 [DISP] button

To change the display mode.

5 [ATT] button

Turning the volume down quickly.

6 [Q] button

To enter the music search mode.

7 [◀] button

To return to previous item.

8 [VOL] knob

To adjust volume.

Enters function setting mode and setting item (turn and press the knob). Refer to [<Function setting Operation>](#) (page 9) for details.

9 [B.BOOST] button

To boost the bass tone in two steps (LV1, LV2, OFF).

10 [iPod] button

Select the iPod source.

11 [◀◀] / [▶▶] button

To select a station, song and setting items.

12 [BAND] button

To select the receiving band, and the folder for Audio file.

13 [SRC] button

To turn on this unit and select the Source.

To turn off this unit (press the button at least 1 second).

14 Auxiliary Input Terminal

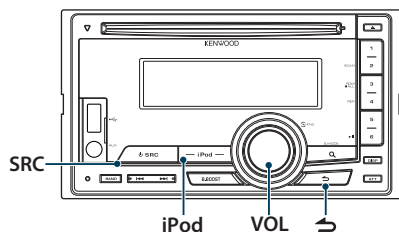
Portable audio device can be connected with the mini-plug (3.5 mm \varnothing).

- Use the mini-plug cable which is stereo type and does not have any resistance.

15 USB Terminal

When connecting, open up the USB terminal lid. A USB device or an iPod can be connected.

General operation



Before Using

Canceling the Demonstration Mode

Cancel the demonstration mode when you use it for the first time after installation.

- 1 Press the [VOL] knob to cancel the demonstration mode when the messages "CANCEL DEMO PRESS VOLUME KNOB" are displayed (approx. 15 seconds).
- 2 Turn the [VOL] knob to select "YES" and press the [VOL] knob.



- Demonstration mode can also be cancelled in "DEMO MODE" of Function setting mode. Refer to <Demonstration mode Setting> (page 29).

Common Operation

Power and source select

Turns the power ON by pressing the [SRC] button.

When the power is ON, select a source. Press the [SRC] button each time switches between sources.

Tuner ("TUNER") → USB ("USB") or iPod ("iPod")
→ CD ("CD") → Auxiliary input ("AUX") → Standby ("STANDBY") → Tuner...

Press the [iPod] button to switch the source to iPod.

Press the [SRC] button for at least 1 second to turns the power OFF.



- When connection of the iPod is recognized, the source display changes from "USB" to "iPod".

Volume

Turning the [VOL] knob adjusts the sound volume.

Function setting Operation

The basic operating procedure for using this function is described below. The individual function items are covered in the operating procedures.

1 Select the source

Press the [SRC] button.

Function items vary from source to source.

2 Enter Function setting mode

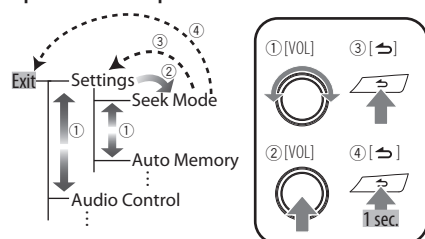
Press the [VOL] knob.

3 Select the setting item

Turn the [VOL] knob and press it when the desired item is displayed.

Repeat the operation until your desired setup item is selected.

Operation example:



In this manual, the above selection is indicated as Select "SETTINGS" > "SEEK MODE".

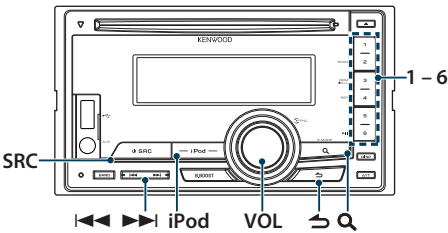
4 Make a setting

Turn the [VOL] knob to select a setting value, and then press the [VOL] knob.

5 Exit Function setting mode

Press the [F] button for at least 1 second.

iPod/iPhone Operation



Basic Operation

Playing iPod

- **Connect an iPod**
When connected, the source is switched automatically and a song starts playing.
- **Select iPod source**
Press the [iPod] button.



- KCA-iP101/iP102 (optional accessory) is recommended to connect an iPod.

Song Select

Press the [◀◀] or [▶▶] button.

Fast Forwards or Fast Backwards

Hold down the [◀◀] or [▶▶] button.

Pause and Play

Press the [6] button to pause or resume playback.

Remove iPod

- 1 **Select a source other than the iPod**
Press the [SRC] button.
- 2 **Remove the iPod.**



- Removing the iPod with it selected as a source can damage the data stored in the iPod.

Selecting a song by browsing iPod

Searching for the song you want to play.

- 1 **Select iPod source**
Press the [iPod] button.
- 2 **Enter Music search mode**
Press the [Q] button.
- 3 **Select a song**

Operation type	Operation
Move between items	Turn the [VOL] knob.
Select an item	Press the [VOL] knob.
Skip Search	Press the [◀◀] or [▶▶] button.
Return to previous item	Press the [↶] button.

- For example: Searching by Artist name.
Turn the [VOL] knob and press it when the desired item is displayed.
Select "ARTISTS" ➤ Artist name ➤ Album name ➤ Song title

Cancelling Enter Music search mode

Press the [↶] button for at least 1 second.



- Characters which cannot be displayed are left blank. If non of the characters can be displayed, the browse item name and digits are displayed.

Items	Display	Items	Display
Playlists	"PLIST***"	Podcasts	"PDC***"
Artists	"ART***"	Genres	"GEN***"
Albums	"ALB***"	Composers	"COM***"
Songs	"PRGM***"		

- Set the ratio with "Skip Search" in <iPod Setting> (page 12).

Play function

Repeat play

Press the [4] button.

Switches between Repeat ("FILE REPEAT") and off ("REPEAT OFF") when pressed.

Random play

Press the [3] button.

Randomly plays the music.

Pressing the button toggles the setting between Random play on ("FOLDER RANDOM") and off ("RANDOM OFF").

Press this button again cancels the Random play.

All Random play

Press the [3] button for at least 1 second.

All songs in iPod are played at random.

Pressing the button toggles the setting between All random play on ("ALL RANDOM") and off ("RANDOM OFF").

Press this button again cancels the All Random play.



- The time required to turn on the all random function may become longer depending on the number of songs in iPod.
- Turning on the all random function changes the iPod browse item to "Songs". This browse item will not be changed even if the all random function is turned off.
- If the browse item is changed to search for music while the all random function is on, the all random function is turned off and the songs in the browse item are played at random.

iPod Control by Hand Mode

Allowing you to operate iPod with the control on the iPod.

Press the [iPod] button for at least 1 second.

When the iPod control by hand mode is selected, "HANDS ON" is displayed.



- In the iPod Control by hand mode, iPod cannot be operated using this unit.
- This mode is not compatible with music information display. The display will show "iPod MODE".
- iPod can be operated when it conforms to the iPod control function.

iPod/iPhone Operation

iPod Setting

You can select the following iPod Setting items.

- 1 Select iPod source**
Press the [iPod] button.
- 2 Enter Function setting mode**
Press the [VOL] knob.
- 3 Turn the [VOL] knob and press it when the desired item is displayed.**
Select "SETTINGS".
- 4 Select the setting item**
Turn the [VOL] knob and press it when the desired item is displayed.

Display	Overview
"SETTINGS"	
"SKIP SEARCH"	Sets the ratio of skip performed with <Skip Search> (page 10). "0.5%"/"1%"/"5%"/"10%"
"MPLIST DELETE"	Deletes the registered My Playlist. Refer to <Deleting a Song from the Playlist> (page 14) for the operation.

(__ : Factory setting)

- 5 Make a setting**
Turn the [VOL] knob to select a setting value, and then press the [VOL] knob.
- 6 Exit Function setting mode**
Press the [↵] button for at least 1 second.



- The setting of "SKIP SEARCH" in <iPod Setting> (page 12) and that in <USB Setting> (page 17) are always the same. Changing the setting of one reflects the other.

Selecting the Search mode

You can select the most suited search method for the desired song from 3 types of the Search mode.

Search mode	Operation	Overview
"RELATED SRCH"	Press the [1] button.	Searches for music of the same artist or genre as the one being played. Refer to the <Related Search> (page 13).
"ALPHABET SRCH"	Press the [3] button.	You can select an alphabetic character from the list in the Search item (artist, album, etc.) selected now. Refer to <Alphabet Search> (page 13).
"MY PLAYLISTS"	Press the [5] button.	Registers a song to My Playlist. Refer to <My Playlist> (page 14).

- 1 Select iPod source**
Press the [iPod] button.
- 2 Enter Music search mode**
Press the [Q] button.
- 3 Select the Search mode**
Press the [1] – [5] button.

Cancelling Music search mode

Press the [↵] button for at least 1 second.

Related Search

Searches for music of the same artist or genre as the one being played.

- 1 **Select iPod source**
Press the [iPod] button.
- 2 **Enter Music search mode**
Press the [Q] button.
- 3 **Enter Related search mode**
Press the [1] button.
- 4 **Select the Search item**

Turn the [VOL] knob and press it when the desired Search item is selected.

Display	Searches music
"SRCH ARTIST"	Displays the album of the same artist.
"SRCH ALBUM"	Displays music in the album in which the one being played is included.
"SRCH GENRE"	Displays the artist of the same genre.
"SRCH COMPOSER"	Displays the album including music created by the same Composer.

After this step, you need to browse. See step 3 of <Selecting a song by browsing iPod> (page 10) to select a song.

Cancelling the Related search

Press the [↵] button for at least 1 second.



- Related search cannot be performed while playing the Podcast.
- When the music being played has no information on browsing items or no music was found, "NOT FOUND" is displayed.

Alphabet Search

You can select a song by alphabet. This function searches songs whose name contain the specified character(s) in the list of the selected Search item (artist, album, etc).

- 1 **Select iPod source**
Press the [iPod] button.
- 2 **Enter Music search mode**
Press the [Q] button.
- 3 **Select search item**
Turn the [VOL] knob and press it when the desired item is displayed.

Select the item (artist, album, etc.) you want to search.

- 4 **Enter Alphabet Search mode**
Press the [3] button.

- 5 **Search for song**

Operation type	Operation
Select the character	Turn the [VOL] knob.
Move the cursor to the enter character position	Press the [◀◀] or [▶▶] button.
Determine the selected character	Press the [VOL] knob.

Cancelling the Alphabet Search

Press the [↵] button for at least 1 second.



- The time of search by alphabet may become long depending on the number of songs or items in iPod.
- If the first character string begins with an article "a", "an", or "the" in the Alphabet Search mode, it is searched for in defiance of the article.

iPod/iPhone Operation

My Playlist

Allows you to register your favorite songs in the Playlist of this unit. You can register up to 10 songs in the Playlist.

Registering Songs in the Playlist

1 Play the song you want to register

2 Register the song

Press the [5] button for at least 2 second.

“## STORED” (Registration number) is displayed.



- Make a Playlist from the songs stored in one iPod. If you attempt to register a song stored in a different iPod, “NO INFO” appears and then “MPLIST DELETE” appears. Select “YES” to delete the Playlist when you want to remake it.
- If you attempt to register the eleventh song, “MEMORY FULL” appears and you cannot register it accordingly. To register the song, delete an unnecessary song.
- Do not register Podcasts. Songs you do not want to register may be registered, or playback may not be carried out correctly.

Playing the Song in the Playlist

1 Enter Playlist mode

Press the [5] button.

2 Play the song in the Playlist

Turn the [VOL] knob and press it when the desired item is displayed.

Select the song you want to play.



- Turning ACC OFF or the power OFF cancels the My Playlist mode.
- The ending of a song may be cut unless the song has a silence of 1 second or longer at the end.
- Random play cannot be performed during playback of a song in the Playlist.

Deleting a Song from the Playlist

1 Enter Playlist mode

Press the [5] button.

2 Enter Delete Playlist mode

Press the [VOL] knob for at least 1 second.

3 Select Delete Playlist mode

Turn the [VOL] knob and press it when the desired item is displayed.

Select “DELETE ONE” or “DELETE ALL”.

4 Turn the [VOL] knob to select “YES”, and then press the [VOL] knob.

“COMPLETED” is displayed.

Deleting the all song from the Playlist (In Function setting mode)

1 Enter Function setting mode

Press the [VOL] knob.

2 Enter Delete Playlist mode

Turn the [VOL] knob and press it when the desired item is displayed.

Select “SETTINGS” > “MPLIST DELETE”.

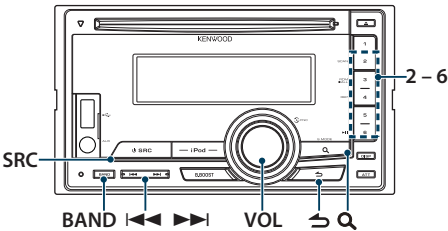
3 Turn the [VOL] knob to select “YES”, and then press the [VOL] knob.

“COMPLETED” is displayed.



- If you connect the different iPod from one registered to My Playlist, “DELETE ONE” and “DELETE ALL” will not appear and all songs be deleted.

USB device Operation



Basic Operation

Playing USB device

- **Connect a USB device**
When connected, the source is switched automatically and a song starts playing.
- **Select USB source**
Press the [SRC] button.
Select the "USB" display.



- CA-U1EX (optional accessory) is recommended to connect a USB device.

Moving to the next folder

Press the [BAND] button.



- The Music Editor media does not allow you to select a folder.

Song Select

Press the [◀◀] or [▶▶] button.

Fast Forwards or Fast Backwards

Hold down the [◀◀] or [▶▶] button.



- No sound is output while playing Audio file.

Pause and Play

Press the [6] button to pause or resume playback.

Remove USB device

- 1 **Select a source other than the USB**
Press the [SRC] button.
- 2 **Remove the USB device.**



- Removing the USB device with it selected as a source can damage the data stored in the USB device.

File Search

Selecting the file you want to listen to from the device being played now.

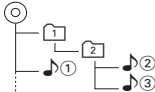
- 1 **Select USB source**
Press the [SRC] button.
Select the "USB" display.
- 2 **Enter Music search mode**
Press the [Q] button.
- 3 **Select a file**

Operation type	Operation
Move between items	Turn the [VOL] knob.
Select an item	Press the [VOL] knob.
Skip Search (Function of Music Editor media)	Press the [◀◀] or [▶▶] button.
Return to previous item	Press the [↶] button.

➤ For example: Searching for ②.

Turn the [VOL] knob and press it when the desired item is displayed.

Select "Music" > [1] > [2] > ②



Cancelling Music search mode

Press the [↶] button for at least 1 second.



- Set the ratio with "Skip Search" in <USB Setting> (page 17).

Play function

Scan play

Press the [2] button.

Successively plays the intro of the music in the folder.
When Scan Play is turned on, "FILE SCAN" is displayed.
Pressing this button again plays songs in the normal mode starting with the song being played now.

Random play

Press the [3] button.

Randomly plays the music in the folder.
When Random Play is turned on, "FOLDER RANDOM" is displayed.
Press this button again cancels the Random play.

Repeat play

Press the [4] button.

Switches between File Repeat ("FILE REPEAT"), Folder Repeat ("FOLDER REPEAT"), and OFF ("REPEAT OFF") when pressed.



- The Music Editor media does not allow you select folder repeat play.

USB Setting

You can select the following USB Setting items.

- 1 Select USB source**
Press the [SRC] button.
Select the "USB" display.
- 2 Enter Function setting mode**
Press the [VOL] knob.
- 3 Turn the [VOL] knob and press it when the desired item is displayed.**
Select "SETTINGS".
- 4 Select the setting item**
Turn the [VOL] knob and press it when the desired item is displayed.

Display	Overview
"SETTINGS"	
"SKIP SEARCH"	Sets the ratio of skip performed with <Skip Search (Function of Music Editor media)> (page 16). "0.5%"/"1%"/"5%"/"10%"

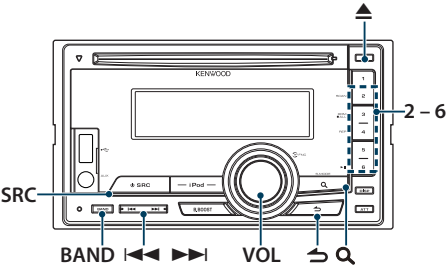
(__ : Factory setting)

- 5 Make a setting**
Turn the [VOL] knob to select a setting value, and then press the [VOL] knob.
- 6 Exit Function setting mode**
Press the [↶] button for at least 1 second.



- The setting of "SKIP SEARCH" in <iPod Setting> (page 12) and that in <USB Setting> (page 17) are always the same. Changing the setting of one reflects the other.

Music CD/ Audio file Operation



Basic Operation

Disc play

- Insert a disc.
When inserted, the source is switched automatically and a song is starts playing.
When a CD is inserted, the “IN” indicator is ON.
- Select CD source
Press the [SRC] button.
Select the “CD” display.

Disc ejection

Press the [▲] button.

Moving to the next folder

Press the [BAND] button.



- This operation can be performed only for the Audio file.

Song Select

Press the [◀◀] or [▶▶] button.

Fast Forwards or Fast Backwards

Hold down the [◀◀] or [▶▶] button.



- No sound is output while playing Audio file.

Pause and Play

Press the [6] button to pause or resume playback.

Function of Internal CD source

Music Search

Selecting the music you want to listen to from the disc being played now.

- 1 Select CD source**
Press the [SRC] button.
Select the “CD” display.
- 2 Enter Music search mode**
Press the [Q] button.
- 3 Search for music**

Operation type	Operation
Move between items	Turn the [VOL] knob.
Select an item	Press the [VOL] knob.
Return to previous item	Press the [↶] button.

Cancelling Function setting mode

Press the [↶] button for at least 1 second.

Play function

Scan play

Press the [2] button.

Successively plays the intro of the music in the disc or folder.

When Scan Play is turned on, "TRACK SCAN"/"FILE SCAN" is displayed.

Pressing this button again plays songs in the normal mode starting with the song being played now.

Random play

Press the [3] button.

Randomly plays the music in the disc or folder.

When Random Play is turned on, "DISC RANDOM"/"FOLDER RANDOM" is displayed.

Press this button again cancels the Random play.

Repeat play

Press the [4] button.

Switches between Track Repeat ("TRACK REPEAT") and OFF ("REPEAT OFF") when pressed while playing a CD.

Switches between File Repeat ("FILE REPEAT"), Folder Repeat ("FOLDER REPEAT"), and OFF ("REPEAT OFF") when pressed while playing an Audio file.

Function of remote control

Direct music search

Searching the music by entering the track number.

1 Enter Direct Music search mode

Press the [DIRECT] button on the remote control.

"—" is displayed.

2 Enter the music number

Press the number buttons on the remote control.

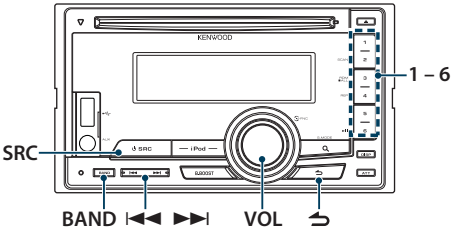
3 Search the music

Press the [◀◀] or [▶▶] button on the remote control.

Cancelling Direct music search

Press the [↶] button on the remote control.

Tuner Operation



Basic Operation

Selecting Tuner source

Press the [SRC] button.
Select the "TUNER" display.

Selecting the Receiving Band

Press the [BAND] button.
Pressing the button switches the receiving band (FM1, FM2, FM3, AM).

Selecting the Receiving station

Press the [◀◀] or [▶▶] button.
Details of the station selecting in operation are set in the "SEEK MODE" of <Tuner Setting> (page 20).

Tuner Setting

You can select the following Tuner Setting items.

- 1 Select Tuner source**
Press the [SRC] button.
Select the "TUNER" display.
- 2 Enter Function setting mode**
Press the [VOL] knob.
- 3 Turn the [VOL] knob and press it when the desired item is displayed.**
Select "SETTINGS".
- 4 Select the setting item to adjust**
Turn the [VOL] knob and press it when the desired item is displayed.

Display	Overview
"SETTINGS"	
"SEEK MODE"	Selects the tuning mode of the radio. "AUTO1": Automatic search for a station. "AUTO2": Search in order of the stations in the Preset memory. "MANUAL": Normal manual tuning control.
"AUTO MEMORY"	Memorizes 6 stations with good reception automatically. Refer to <Auto Memory Entry> (page 21).
"FORCED MONO"	Reduces the noise when stereo broadcasts are received as monaural. "ON"/"OFF"

(__ : Factory setting)

- 5 Make a setting**
Turn the [VOL] knob.
- 6 Exit Function setting mode**
Press the [↵] button for at least 1 second.

Remarks

- FORCED MONO**
Strong electrical fields (such as from power lines) may cause unstable sound quality when it is set to ON. In such a situation, turn it OFF.

Station Preset Memory

Putting a station in the memory.

1 Select the frequency to put in the memory

Press the [◀◀] or [▶▶] button.

2 Select the number to put in the memory

Press the [1] – [6] button for at least 2 seconds.



- Up to 6 stations with a different band (FM/AM) can be memorized to the [1] – [6] button according to the setting of "PRESET TYPE" of <Initial Settings> (page 28).

Auto Memory Entry

Putting stations with good reception in the memory automatically.

1 Select the radio band you wish to store in the preset memory

2 Enter Function setting mode

Press the [VOL] knob.

3 Enter Auto Memory Entry mode

Turn the [VOL] knob and press it when the desired item is displayed.

Select "SETTINGS" ➤ "AUTO MEMORY".

4 Open Auto Memory Entry

Turn the [VOL] knob and press it when the desired item is displayed.

Select "YES".

When 6 stations that can be received are put in the memory, auto memory entry closes.

Tuner Operation

Preset Tuning

Recalling the stations in the memory.

- 1 Select the radio band
- 2 Recalls the memorized station
Press the [1] – [6] button.

Function of remote control

Direct access tuning

Entering the frequency and tuning.

- 1 Enter Direct access tuning mode
Press the [DIRECT] button on the remote control.
“ – – – – ” is displayed.

- 2 Enter the frequency
Press the number buttons on the remote control.

Example:

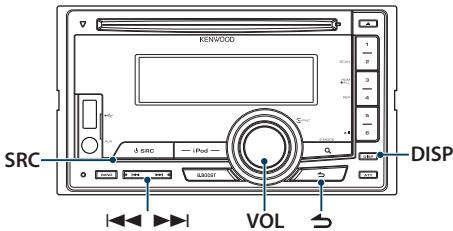
Desired frequency	Press button
92.1 MHz (FM)	[9], [2], [1]
810 kHz (AM)	[8], [1], [0]

- 3 Search the frequency
Press the [◀◀] or [▶▶] button on the remote control.

Cancelling Direct access tuning

Press the [↵] button on the remote control.

Display Settings



Display Setting

You can select following Display Setting items.

- 1 Select the source**
Press the [SRC] button.
- 2 Enter Function setting mode**
Press the [VOL] knob.
- 3 Enter Display Setting mode**
Turn the [VOL] knob and press it when the desired item is displayed.
Select "SETTINGS" > "DISP & ILLUMI".
- 4 Select the Function item**
Turn the [VOL] knob and press it when the desired item is displayed.

Display	Overview
"SETTINGS"	
"DISP & ILLUMI"	Making Display and Illumination settings.
"COLOR SELECT"	Selecting the Illumination Color of the panel. Refer to <Illumination Color Selection> (page 25).
"TEXT SCROLL"	Sets the method of scroll to view hidden text. "AUTO" : Scrolls. "ONCE" : Scrolls once. "OFF" : Does not scroll.
"DISP OFF MODE"	Sets the clock and button illumination when "DISP OFF MODE" is selected as described in <Text Display Selection> (page 25).
"CLOCK"	"ON" : Displays the clock. "OFF" : Dims the clock.
"KEY ILLUMI"	"ON" : Turns on the button illumination. "OFF" : Dims the button illumination.
"DISP DIMMER"	Reduces the display Illumination brightness. "AUTO" : Dims the illumination in conjunction with the Light switch of the vehicle. "MANUAL1" : Dims the illumination constantly. "MANUAL2" : Dims the illumination darker than Manual1. "OFF" : Does not dim the illumination.

"ILLUMI DIMMER"	Reduces the key Illumination brightness. "AUTO" : Dims the illumination in conjunction with the Light switch of the vehicle. "MANUAL1" : Dims the illumination constantly. "MANUAL2" : Dims the illumination darker than Manual1. "OFF" : Does not dim the illumination.
-----------------	--

(__ : Factory setting)

- 5 Make a setting**
Turn the [VOL] knob to select a setting value, and then press the [VOL] knob.
- 6 Exit Function setting mode**
Press the [↵] button for at least 1 second.

Text Display Selection

Changing displayed information on each source following;

Press the [DISP] button.

In Tuner source

Information	Display
Frequency	"FREQUENCY"
Display off	"DISP OFF MODE"

In CD source

Information	Display
Disc title	"DISC TITLE"
Track title	"TRACK TITLE"
Play time & Track number	"P-TIME"
Display off	"DISP OFF MODE"

In Audio file/ iPod source

Information	Display
Music title & Artist name	"TITLE/ARTIST"
Album name & Artist name	"ALBUM/ARTIST"
Folder name	"FOLDER NAME"
File name	"FILE NAME"
Play time & Music number	"P-TIME"
Display off	"DISP OFF MODE"

In Standby/ Auxiliary input source

Information	Display
Source name	"SOURCE NAME"
Display off	"DISP OFF MODE"



- When you select the Display off mode, the display setting of each source will be changed to the Display off.
- If the selected display item does not have any information, alternative information is displayed.
- When selecting "FOLDER NAME" while playing with iPod, names will be displayed depending on currently selected browsing items.
- If all characters cannot be displayed while playing with iPod, the file number in the list is displayed.

Information	Display
Music title	"TITLE*****"
Folder name	"FOLDER*****"
File name	"FILE*****"

Illumination Color Selection

Selecting the Illumination Color of the panel.

1 Enter Function setting mode

Press the [VOL] knob.

2 Enter Illumination color selection mode

Turn the [VOL] knob and press it when the desired item is displayed.

Select "SETTINGS" > "DISP & ILLUMI" > "COLOR SELECT".

3 Select the place where you want to set the Illumination Color

Turn the [VOL] knob and press it when the desired item is displayed.

Place	Display
Display and key	"ALL"
Display	"DISPLAY"
Key	"KEY"

4 Select the Illumination Color

Turn the [VOL] knob and press it when the desired item is displayed.

Select the color from "VARIABLE SCAN", "COLOR1" — "COLOR24", or "USER".

Creating "USER" color

You can create your original color during the selection from "COLOR1" — "COLOR24".

The color you created can be called when you select "USER".

1. Press the [VOL] knob for at least 1 second.

Enter the detail color adjustment mode.

2. Set the color.

Operation type	Operation
To select the color to adjust. (red, green, or blue)	Press the [◀▶] or [▶▶] button.
To adjust color. (Range: 0 – 9)	Turn the [VOL] knob.

3. Press the [VOL] knob.

Exit the detail color adjustment mode.

5 Exit Function setting mode

Press the [↵] button for at least 1 second.

Display Settings

Auxiliary Input Display Setting

Selecting the display when changing to Auxiliary input source.

1 Select the AUX source

Press the [SRC] button.

Select the "AUX" display.

2 Enter Function setting mode

Press the [VOL] knob.

3 Enter Auxiliary input display setting mode

Turn the [VOL] knob and press it when the desired item is displayed.

Select "SETTINGS" > "AUX NAME SET".

4 Select the Auxiliary input display

Turn the [VOL] knob.

Select "AUX", "DVD", "PORTABLE", "GAME", "VIDEO", or "TV"

5 Exit Function setting mode

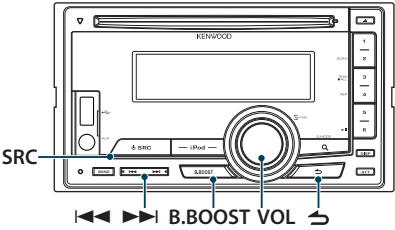
Press the [↩] button for at least 1 second.

Text scroll

Press the [DISP] button for at least 1 second.

The displayed text scrolls.

Clock and Other Functions



Clock Adjustment

You can adjust the clock.

1 Enter Clock adjustment mode

Press the [B.BOOST] button for at least 1 second.

The hour display blinks.

2 Adjust the hour

Turn the [VOL] knob to adjust the hour, and then press the [VOL] knob.

The minute display blinks.

3 Adjust the minute

Turn the [VOL] knob to adjust the minute, and then press the [VOL] knob.

Finish the Clock Adjustment.

Initial Settings

You can select the following Initial Setting items.

1 Select the Standby

Press the [SRC] button.

Select the "STANDBY" display.

2 Enter Function setting mode

Press the [VOL] knob.

3 Enter Initial Setting mode

Turn the [VOL] knob and press it when the desired item is displayed.

Select "INITIAL SET".

4 Select the setting item to adjust

Turn the [VOL] knob.

Display	Overview
"INITIAL SET"	
"PRESET TYPE"	Sets the Tuner preset type. "TYPE NORMAL": 1 station can be assigned to 1 preset button in each of 4 bands (FM1, FM2, FM3, and AM), i.e., a total of 24 stations (6 stations x 4 bands) can be preset. "TYPE MIXED": A total of 6 stations can be assigned to a total of 6 preset buttons regardless of band (FM1, FM2, FM3, and AM). You can recall a preset station without switching between bands.
"KEY BEEP"	Setting the operation check sound (beep sound) ON/OFF. "ON" / "OFF"
"BUILT-IN AUX"	When this is set to ON, AUX source can be selected. "ON": Allows AUX source to be selected. Use this setting when the built-in AUX terminal is connected to the external equipment all the time. "OFF": Disable AUX source selection. Use this setting when the built-in AUX terminal is not used.
"CD READ"	Sets the CD read mode. "1": Automatically distinguishes between Audio file disc and music CD when playing disc. "2": Forces playing as music CD.
"SWITCH PREOUT"	Switches the preout between rear output and subwoofer output. "REAR": Rear output "SUB-W": Subwoofer output
"SP SELECT"	Fine-tuning so that the System Q value is optimal when setting the speaker type as follows; "SP OFF": Off "SP 5/4": For 5 & 4 in. speaker "SP 6*9/6": For 6 & 6x9 in. speaker "SP OEM": For the OEM speaker


"F/W UP"	Upgrades the firmware. Selecting "YES" and then pressing [VOL] knob starts upgrading the firmware. For how to update the firmware, access our web site. http://www.kenwood.com/cs/ce/
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(__ : Factory setting)

5 Make a setting

Turn the [VOL] knob to select a setting value, and then press the [VOL] knob.

6 Exit Function setting mode

Press the [>] button for at least 1 second.

Demonstration mode Setting

Turning the demonstration mode ON/OFF.

1 Enter Function setting mode

Press the [VOL] knob.

2 Enter Demonstration mode setting

Turn the [VOL] knob and press it when the desired item is displayed.


Select "DEMO MODE".

3 Set the Demonstration mode

Turn the [VOL] knob and press it when the desired item is displayed.

Select "ON" or "OFF".

4 Exit Function setting mode

Press the [>] button for at least 1 second.

Clock and Other Functions

Muting volume upon reception of Phone call

The audio system automatically mutes upon reception of an incoming call.

When a call comes in

"CALL" is displayed.

The audio system pauses.

Listening to the audio during a call

Press the [SRC] button.

The "CALL" display disappears and the audio system comes back ON.

When the call ends

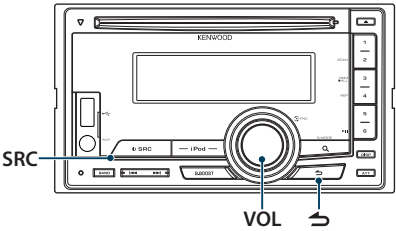
Hang up the phone.

The "CALL" display disappears and the audio system comes back ON.



- To use the TEL Mute feature, you need to hook up the MUTE wire to your telephone using a commercial telephone accessory. Refer to <Connecting Wires to Terminals> (page 10) of Quick start guide.

Audio Adjustments



Audio Control

You can adjust the following Audio Setting items.

Display	Overview
"AUDIO CONTROL"	
"SUBWOOFER SET"	Turns on/off the subwoofer output. "ON"/"OFF"
"SYSTEM Q"	Switches between the following preset equalizer curves. "NATURAL"/"USER"/"ROCK"/"POPS"/ "EASY"/"TOP40"/"JAZZ"/"GAME" For USER: This appears when Bass level, Middle level, and Treble level are adjusted.
"BASS ADJUST"	You can set bass for each source.
"BASS FREQ"	Bass Center Frequency 40/50/60/70/80/100/120/150 (Hz)
"BASS LEVEL"	Bass level "-8" — "0" — "+8"
"BASS Q"	Bass Q Factor 1.00/1.25/1.50/2.00
"BASS EXT"	Bass Extend "OFF"/"ON"
"MID ADJUST"	You can set middle for each source.
"MID FREQ"	Middle Center Frequency 0.50/1.00/1.50/2.00 (kHz)
"MID LEVEL"	Middle level "-8" — "0" — "+8"
"MID Q"	Middle Q Factor 1.00/2.00
"TRE ADJUST"	You can set treble for each source.
"TRE FREQ"	Treble Center Frequency 10.0/12.5/15.0/17.5 (kHz)
"TRE LEVEL"	Treble level "-8" — "0" — "+8"
"BALANCE"	Adjusts left/right speaker balance. (Left) "L15" — "0" — "R15" (Right)
"FADER"	Adjusts front/rear speaker balance. (Rear) "R15" — "0" — "F15" (Front)
"SUB-W LEVEL"	You can set subwoofer level. "-15" — "0" — "+15"

"DETAILED SET"	
"LPF SUBWOOFER"	Selects cut off frequency of subwoofer output. "85"/"120"/"160"/"THROUGH" (OFF) Hz
"SUB-W PHASE"	Selects the phase of subwoofer output. "REVERSE" (180°)/"NORMAL" (0°)
"SUPREME SET"	Turns on/off the supreme function. Can be set while Audio file source of USB (excluding iPod). "ON"/"OFF"
"VOLUME OFFSET"	Sets each source's volume as a difference from the basic volume. "-8" — "0" (AUX: "-8" — "0" — "+8")

(_ : Factory setting)

1 Select the source

Press the [SRC] button.

Select a source other than "STANDBY".

2 Enter Function setting mode

Press the [VOL] knob.

3 Enter Audio Control mode

Turn the [VOL] knob and press it when the
desired item is displayed.

Select "AUDIO CONTROL".

4 Select the setting item to adjust

Turn the [VOL] knob and press it when the
desired item is displayed.

5 Make a setting

Turn the [VOL] knob to select a setting value,
and then press the [VOL] knob.

6 Exit Function setting mode

Press the [↵] button for at least 1 second.



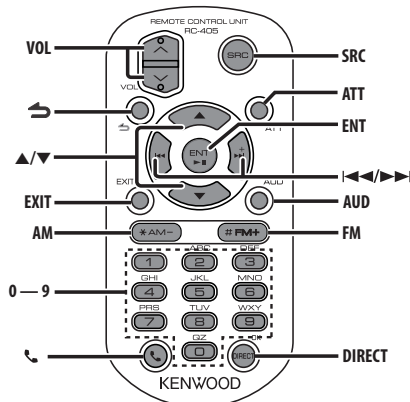
- The "SUB-W PHASE" item can be made when a setting other than "THROUGH" is selected for the "LPF SUBWOOFER" item.

Remarks

• Supreme

Technology to extrapolate and supplement with
proprietary algorithm, the high-frequency range that is
cut off when encoding at low bit rate (less than 128Kbps,
Sampling frequency is 44.1kHz).
Supplementing is optimized by compression format (MP3,
WMA and AAC) and processed according to bit rate. The
effect is negligible with music that is encoded at high bit
rate, variable bit rate or has minimal high frequency range.

Basic Operations of remote control



General control

- Volume control: **[VOL]**
- Source select: **[SRC]**
- Volume reduce: **[ATT]**
When the button is pressed again, the volume returns to the previous level.
- Return to previous item: **[↶]**
- Exit from mode: **[EXIT]**
- Selection of item: **[▲]/[▼]**
- Determination: **[ENT]**
- Enter Audio Control mode: **[AUD]**

In Tuner source

- Band select: **[FM]/[AM]**
- Station select: **[◀◀]/[▶▶]**
- Recall preset stations: **[1] — [6]**
- Enter Menu List mode: **[▲]/[▼]**

In USB/Music CD/Audio file source

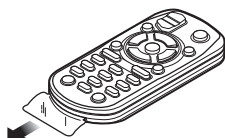
- Music select: **[◀◀]/[▶▶]**
- Folder select: **[FM]/[AM]**
- Pause/Play: **[ENT]**
- Enter Menu List mode: **[▲]**
- Enter Music search mode: **[▼]**
- Movement between folders/files during Search mode: **[▲]/[▼]**
- Return to previous folder: **[↶]**

In iPod source

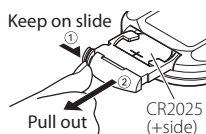
- Music select: **[◀◀]/[▶▶]**
- Pause/Play: **[ENT]**
- Enter Menu List mode: **[▲]**
- Enter Music search mode: **[▼]**
- Movement between items during Music search mode: **[▲]/[▼]**
- Return to previous item: **[↶]**

Preparing the remote control unit

Pull the battery sheet out from the remote control unit to the direction of the arrow.



Changing the battery of the remote control unit



Use a commercially available button battery (CR2025). Insert the battery with the + and – poles aligned properly, following the illustration inside the case.

CAUTION

- Do not set the remote control in hot places such as on the dashboard.
- Lithium battery.
Danger of explosion if the battery is incorrectly replaced.
Replace only with the same or equivalent type.
- The battery pack or batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Keep battery out of reach of children and in original package until ready to use. Dispose of used batteries promptly. If swallowed contact physician immediately.

Appendix

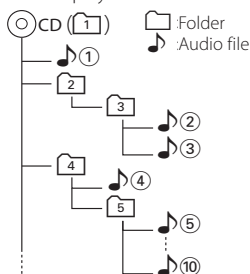
About Audio file

- **Playable Audio file**
AAC-LC (.m4a), MP3 (.mp3), WMA (.wma)
- **Playable disc media**
CD-R/RW/ROM
- **Playable disc file format**
ISO 9660 Level 1/2, Joliet, Romeo, Long file name.
- **Playable USB device**
USB mass storage class
- **Playable USB device file system**
FAT16, FAT32

Even if the Audio files comply with the standards listed above, the play may be impossible depending on the types or conditions of media or device.

Playing order of the Audio file

In the example of folder/file tree shown below, the files are played in the order from ① to ⑩.



An online manual about Audio files is put on the site, www.kenwood.com/cs/ce/audiofile/. On this online manual, detailed information and notes which are not written in this manual are provided. Make sure to read through the online manual as well.



- In this manual, the word "USB device" is used for flash memories and digital audio players which have USB terminals.

About USB device

- When the USB device is connected to this unit, it can be charged up provided that this unit is powered.
- Install the USB device in the place where it will not prevent you from driving your vehicle properly.
- You cannot connect a USB device via a USB hub and Multi Card Reader.
- Save backups of the Audio files used with this unit. The files can be erased depending on the operating conditions of the USB device. We shall have no compensation for any damage arising out of erasure of the stored data.
- No USB device comes with this unit. You need to purchase a commercially available USB device.
- When connecting the USB device, usage of the CA-U1EX (option) is recommended.
- Normal playback is not guaranteed when a cable other than the USB compatible cable is used. Connecting a cable whose total length is longer than 4 m can result in abnormal playback.

iPod/iPhone that can be connected to this unit

Made for

- iPod nano (6th generation)
 - iPod nano (4th generation)
 - iPod nano (2nd generation)
 - iPod with video
 - iPod touch (4th generation)
 - iPod touch (2nd generation)
 - iPhone 4
 - iPhone 3G
 - iPod nano (5th generation)
 - iPod nano (3rd generation)
 - iPod nano (1st generation)
 - iPod classic
 - iPod touch (3rd generation)
 - iPod touch (1st generation)
 - iPhone 3GS
 - iPhone
- For information on the compatibility of iPod/iPhone software, visit www.kenwood.com/cs/ce/ipod/.
 - Type of control available varies depending on the type of connected iPod. See www.kenwood.com/cs/ce/ipod/ for further details.
 - The word "iPod" appearing in this manual indicates the iPod or the iPhone connected with the iPod connection cable* (optional accessory).
* Not supported model KCA-iP500.
 - Refer to the web site for connectable iPod and iPod connection cable.
www.kenwood.com/cs/ce/ipod/




- If you start playback after connecting the iPod, the music that has been played by the iPod is played first. In this case, "RESUMING" is displayed without displaying a folder name, etc. Changing the browse item will display a correct title, etc.
- You cannot operate iPod if "KENWOOD" or "✓" displayed on iPod.

About "KENWOOD Music Editor"

- This unit supports the PC application "KENWOOD Music Editor Light ver1.1" or later.
- When you use the Audio file with database information added by the "KENWOOD Music Editor Light ver1.1", you can search a file by title, album or artist name using the <File Search> (page 16).
- In the Instruction manual, the term "Music Editor media" is used to mean the device that contains Audio files with database information added with KENWOOD Music Editor.
- "KENWOOD Music Editor Light ver1.1" is available from the following web site:
www.kenwood.com/cs/ce/
- For further information on "KENWOOD Music Editor Light ver1.1", refer to the site above or the application help.

Troubleshooting Guide

Some functions of this unit may be disabled by some settings made on this unit.


- ! • Cannot set up the subwoofer.**
- Cannot set up the low pass filter.**
- No output from the subwoofer.**
 - ▶ “SUBWOOFER SET” of <Audio Control> (page 32) is not set to On.
 - “LPF SUBWOOFER” of <Audio Control> (page 32) is set to “THROUGH”.
 - Preout is not set to subwoofer.  “SWITCH PREOUT” of <Initial Settings> (page 28).

- ! Cannot set up Display.**
 - ▶ <Demonstration mode Setting> (page 29) is not turned off.


- ! The number of songs contained in “SONGS” category of this unit is different from that contained in “SONGS” category of iPod.**
 - ▶ Podcast files are not counted in this unit as this unit does not support the playback of podcast files.

What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.



General

- ? The operation check sound (beep sound) does not sound.**
 - ✓ The preout jack is being used.
 -  The Touch Sensor Tone cannot be output from the preout jack.



Tuner source

- ? Radio reception is poor.**
 - ✓ The car antenna is not extended.
 -  Connect the Antenna control wire to the power terminal for the booster amplifier of the film-type or short pole type antenna
 - Pull the antenna out all the way.

Disc source

- ? The specified disc does not play, but another one plays instead.**
 - ✓ The specified CD is quite dirty.
 -  Clean the CD, referring to the CD cleaning of the section on <Handling discs> (page 4).
 - ✓ The disc is severely scratched.
 -  Try another disc instead.

Audio file source

- ? The sound skips when an Audio file is being played.**
 - ✓ The media is scratched or dirty.
 -  Clean the media, referring to the CD cleaning of the section on <Handling discs> (page 4).
 - ✓ The recording condition is bad.
 -  Record the media again or use another media.

The messages shown below display your systems condition.

TOC ERROR:	<ul style="list-style-type: none"> • No disc has been loaded in the disc magazine. • The CD is quite dirty. The CD is upside-down. The CD is scratched a lot.
ERROR 05:	The disc is unreadable.
ERROR 99/ERROR 77:	<p>The unit is malfunctioning for some reason.</p> <ul style="list-style-type: none"> ➡ Press the reset button on the unit. If the "ERROR 99"/"ERROR 77" code does not disappear, consult your nearest service center.
IN (Blink):	<p>The CD player section is not operating properly.</p> <ul style="list-style-type: none"> ➡ Reinsert the CD. If the CD cannot be ejected or the display continues to flash even when the CD has been properly reinserted, please switch off the power and consult your nearest service center.
PROTECT (Blink):	<p>The speaker wire has a short-circuit or touches the chassis of the vehicle, and then the protection function is activated.</p> <ul style="list-style-type: none"> ➡ Wire or insulate the speaker cable properly and press the reset button. If the "Protect" code does not disappear, consult your nearest service center.
NA FILE:	An Audio file is played with a format that this unit can't support.
COPY PRO:	A copy-protected file is played.
REAR ERROR:	<p>The file system of the connected USB device is broken.</p> <ul style="list-style-type: none"> ➡ Copy the files and folders for the USB device again. If the error message is still displayed, initialize the USB device or use other USB devices.
NO DEVICE:	<p>The USB device is selected as a source although no USB device is connected.</p> <ul style="list-style-type: none"> ➡ Change the source to any source other than USB. Connect an USB device, and change the source to USB again.

NA DEVICE:	<ul style="list-style-type: none"> • An unsupported USB device is connected. • Connection to the iPod has failed. ➡ Remove the USB device and then reconnect it. ➡ Check that the connected iPod is an iPod that is supported. See <About Audio file> (page 36) for information on supported iPods. ➡ Reset iPod/ iPhone.
NO MUSIC/ERROR 15:	<ul style="list-style-type: none"> • The connected USB device contains no playable Audio file. • Media was played that does not have data recorded that the unit can play.
USB ERROR:	<p>Some trouble may have occurred to the connected USB device.</p> <ul style="list-style-type: none"> ➡ Remove the USB device, then cycle the power switch to ON. If the same display is repeated, use another USB device.
iPod ERROR:	<p>Connection to the iPod has failed.</p> <ul style="list-style-type: none"> ➡ Remove the USB device and then reconnect it. ➡ Reset iPod/ iPhone.

Specifications

FM tuner section

- Frequency range (200 kHz step)
 - : 87.9 MHz – 107.9 MHz
- Usable sensitivity (S/N = 26dB)
 - : 11.2dBf (1 μ V/75 Ω)
- Quieting Sensitivity (S/N = 50dB)
 - : 19.2dBf (2.5 μ V/75 Ω)
- Frequency response (\pm 3 dB)
 - : 30 Hz – 15 kHz
- Signal to Noise ratio (MONO)
 - : 63 dB
- Stereo separation (1 kHz)
 - : 40 dB

AM tuner section

- Frequency range (10 kHz step)
 - : 530 kHz – 1700 kHz
- Usable sensitivity (S/N = 20dB)
 - : 31 dB μ (36 μ V)

CD player section

- Laser diode
 - : GaAlAs
- Digital filter (D/A)
 - : 8 Times Over Sampling
- D/A Converter
 - : 24 Bit
- Spindle speed
 - : 500 – 200 rpm (CLV)
- Wow & Flutter
 - : Below Measurable Limit
- Frequency response (\pm 1 dB)
 - : 10 Hz – 20 kHz
- Total harmonic distortion (1 kHz)
 - : 0.008 %
- Signal to Noise ratio (1 kHz)
 - : 110 dB
- Dynamic range
 - : 93 dB
- MP3 decode
 - : Compliant with MPEG-1/2 Audio Layer-3
- WMA decode
 - : Compliant with Windows Media Audio
- AAC decode
 - : AAC-LC "m4a" files

USB Interface

- USB Standard
 - : USB1.1/ 2.0 (Full speed)
- Maximum Supply current
 - : 500 mA
- File System
 - : FAT16/ 32
- MP3 decode
 - : Compliant with MPEG-1/2 Audio Layer-3
- WMA decode
 - : Compliant with Windows Media Audio
- AAC decode
 - : AAC-LC "m4a" files

Audio section

- Maximum output power
 - : 50 W x 4
- Full Bandwidth Power (at less than 1% THD)
 - : 22 W x 4
- Speaker Impedance
 - : 4 – 8 Ω
- Tone action
 - Bass : 100 Hz \pm 8 dB
 - Middle : 1 kHz \pm 8 dB
 - Treble : 12.5 kHz \pm 8 dB
- Preout level / Load (CD)
 - : 2000 mV/10 k Ω
- Preout impedance
 - : \leq 600 Ω

Auxiliary input

- Frequency response (\pm 1 dB)
 - : 20 Hz – 20 kHz
- Input Maximum Voltage
 - : 1200 mV
- Input Impedance
 - : 10 k Ω

General

- Operating voltage (11 – 16V allowable)
 - : 14.4 V
- Maximum Current consumption
 - : 10 A
- Installation Size (W x H x D)
 - : 182 x 111 x 158 mm
- Weight
 - : 1.5 kg

Specifications subject to change without notice.

▲ CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

Kenwood Corporation
2967-3, ISHIKAWA-MACHI,
HACHIOJI-SHI
TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT
CONFORMS TO DHHS REGULATIONS NO.21 CFR
1040.10, CHAPTER 1, SUBCHAPTER J.

Location : Top plate

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

FCC NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CALIFORNIA, USA

This product contains a CR Coin Cell Lithium Battery which contains

Perchlorate Material – special handling may apply.

See www.dtsc.ca.gov/hazardouswaste/perchlorate



This symbol mark indicates that Kenwood manufactured this product so as to decrease harmful influence on the environment.

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